

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-313996

(43)Date of publication of application : 05.11.1992

(51)Int.Cl.

H04R 3/12

(21)Application number : 03-004842

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(22)Date of filing : 21.01.1991

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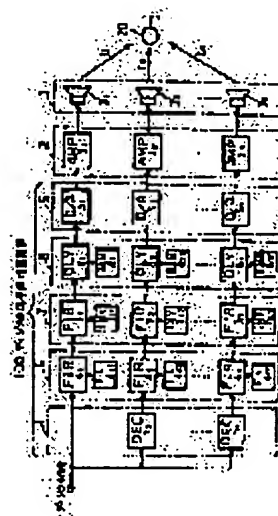
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## (54) MULTI-AMPLIFIER SYSTEM SPEAKER SYSTEM

### (57)Abstract:

**PURPOSE:** To obtain the multi-amplifier system speaker system realizing high fidelity acoustic reproduction by realizing a flat sound pressure characteristic of a radiation sound from each speaker and a linear phase, eliminating a phase difference and a delay time difference from each radiation so as to make the overall sound pressure characteristic flat.

**CONSTITUTION:** Each channel is provided with a decimation circuit 1 to decrease a sampling frequency of a digital input signal, a frequency band split circuit 4, a characteristic correction use inverse filter to realize a flat sound pressure characteristic and linear phase characteristic of a speaker unit 3, a delay time correction circuit 8, a D/A converter circuit 5 converting a digital signal into an analog signal, and a voice signal processing circuit connecting a power amplifier 2 and the speaker unit 3 in cascade and each channel is configured in parallel. In the case of an analog voice input signal, an A/D converter and an overall sound pressure characteristic correction circuit are provided to a pre-stage of the decimation circuit.



## LEGAL STATUS